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## Inflammation and remodelling in experimental models of COPD - Mechanisms and therapeutic perspectives

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## List of publications

### Full papers

**Pera T**, Zuidhof AB, Smit M, Menzen MH, Klein T, Flik G, Zaagsma J, Meurs H, Maarsingh H. Increased arginase underlies inflammation and remodelling in a guinea pig model of COPD. Submitted 2011

**Pera T**, Atmaj C, van der Vegt M, Halayako AJ, Zaagsma J, Meurs H. Involvement of TAK1 in cigarette smoke-induced pro-inflammatory signalling and IL-8 release by human airway smooth muscle cells. Submitted 2011

**Pera T**, Sami R, Zaagsma J, Meurs H. TAK1 plays a major role in growth factor-induced phenotypic modulation of airway smooth muscle. Submitted 2011

**Pera T**, Zuidhof AB, Valadas J, Smit M, Schoemaker RG, Gosens R, Maarsingh H, Zaagsma J, Meurs H. Tiotropium inhibits pulmonary inflammation and remodelling in a guinea pig model of COPD. *Eur Respir J* 2011, In Press

**Pera T**, Gosens R, Lesterhuis AH, Sami R, van der Toorn M, Zaagsma J, Meurs H. Cigarette smoke and lipopolysaccharide induce a proliferative airway smooth muscle phenotype. *Respir Res* 2010; 11: 48.

Maarsingh H, **Pera T**, Meurs H. Arginase and pulmonary diseases. *Naunyn Schmiedeberg's Arch Pharmacol* 2008; 378: 171-84

Gosens R, Roscioni SS, Dekkers BGJ, **Pera T**, Schmidt M, Schaafsma D, Zaagsma J, Meurs H. Pharmacology of airway smooth muscle proliferation. *Eur J Pharmacol* 2008; 585: 382-97

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Maarsingh H, **Pera T**, Zuidhof AB, Smit M, Zaagsma J, Meurs H. Increased arginase activity contributes to airway inflammation, remodeling and pulmonary hypertension in a guinea pig model of COPD. *Am J Respir Crit Care Med* 2011; 183: A3431

**Pera T**, Valadas J, Zuidhof AB, Gosens R, Meurs H, Zaagsma J. Tiotropium inhibits pulmonary vascular remodeling in a guinea pig model of COPD. *Am J Respir Crit Care Med* 2010; 724: A1193

**Pera T**, Atmaj C, Halayko AJ, Zaagsma J, Meurs H. TAK1 plays a key role in cigarette smoke-induced pro-inflammatory signaling and IL-8 release by human airway smooth muscle cells. *Am J Respir Crit Care Med* 2010; 181: A5300

**Pera T**, Sami R, Zaagsma J, Meurs H. Major involvement of TAK1 in growth factor-induced phenotypic modulation of airway smooth muscle. *Am J Respir Crit Care Med* 2010; 181: A2143

Zaagsma J, **Pera T**, Zuidhof AB, Gosens R, Maarsingh H, Meurs H. Remodelling and inflammation in a guinea pig model of COPD: effects of tiotropium. *Eur Respir J* 2009; 518: E2944

**Pera T**, Zuidhof AB, Gosens R, Maarsingh H, Zaagsma J, Meurs H. Tiotropium inhibits inflammation and remodeling in a guinea pig model of COPD. *Am J Respir Crit Care Med* 2009; 179: A6328

**Pera T**, van der Vegt M, Gosens R, Halayko AJ, Zaagsma J, Meurs H. Cigarette smoke induces IL-8 secretion by human airway smooth muscle cells: role of MAP kinase and NF- $\kappa$ B signaling pathways. *Am J Respir Crit Care Med*, 2009; 179: A6318

Gosens R, Rieks D, **Pera T**, Zuyderduyn S, Hiemstra P, Halayko A, Zaagsma J, Meurs H. Muscarinic receptor stimulation potentiates cigarette smoke extract induced IL-8 production by airway smooth muscle. *Eur Respir J* 2008; 35: 353

**Pera T**, Gosens R, Lesterhuis AH, Zaagsma J, Meurs H. Phenotypic modulation of airway smooth muscle by lipopolysaccharide and cigarette smoke. *Naunyn-Schmiedeberg Arch Pharmacol* 2009; 379: 209

**Pera T**, Gosens R, Lesterhuis AH, Zaagsma J, Meurs H. Phenotypic modulation of airway smooth muscle by lipopolysaccharide and cigarette smoke. *Am J Respir Crit Care Med* 2008; 809: A323



